wherein,

βl

R1 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkoxyl group;

R² represents a 4-morpholinyl group, a 1-imidazolyl group, a 1-lower alkyl homopiperazin-4-yl group or a group selected from the groups represented by the following formulae:

(wherein, T represents a nitrogen atom or a methine group;

R3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkoxyl group;

R4 represents a hydrogen atom, a lower alkyl group, a hydroxy lower alkyl group, a halogenated lower alkyl group, a lower cycloalkyl group, an aryl group, an aralkyl group, 1-piperidyl group, an alkenyl group, a cyano lower alkyl group, a carbamoyl lower alkyl group, a lower acyl group, an aromatic acyl group, a lower alkoxyl carbonyl group, an aryloxycarbonyl group or an aralkyloxycarbonyl group;

R⁵ and R⁶ are the same as or different from each other and each represents a hydrogen atom, a lower alkyl group, a di lower alkyl aminoalkyl group, an optionally substituted heteroaryl lower alkyl group);

n represents 0 or an integer of 1 to 6; and

B represents an optionally substituted aryl group, an optionally substituted heteroaryl group, an optionally substituted aralkyloxy group, an arylsulfonylamino group, a lower alkoxyl arylsulfonylamino group, a hydroxy lower alkoxyl styryl group, a lower alkoxyl aryloxy group, 4-phenylpiperidin-1-yl group, 4-pyridylpiperidin-1-yl group, an optionally substituted arylalkenyl group, an optionally substituted heteroarylalkenyl group, an optionally substituted heteroarylalkenyl group, an optionally substituted amino lower alkyl group, an optionally substituted amino lower alkyl group, an optionally substituted arylamino group, an optionally substituted aralkylamino group or a group selected from the groups represented by the following formulae:

$$\begin{array}{c}
\begin{pmatrix}
O \\
CH_2
\end{pmatrix}
\\
R^{14}
\end{pmatrix}$$

$$\begin{array}{c}
CH_2 \\
R^{16}
\end{pmatrix}$$

$$\begin{array}{c}
R^{17}
\\
OH
\end{array}$$

$$\begin{array}{c}
R^{18}
\\
OH
\end{array}$$

(wherein p represents 0 or an integer of 1 to 6;

R¹³, R¹⁴, R¹⁶, R¹⁷, R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³, R²⁵, R²⁷ and R²⁹ independently represent a hydrogen atom, a halogen atom, hydroxyl group, a lower alkyl group, a lower alkoxy group, a hydroxy lower alkyl group, a hydroxy lower alkoxy group or tetrahydropyranyl group;

R²⁴ represents a hydrogen atom or a lower alkyl group;

R²⁶ represents a hydrogen atom or a hydroxy lower alkyl group;

R²⁸ represents a hydrogen atom or a lower alkyl group;

R³⁰ represents a hydrogen atom, a lower alkyl group, a lower alkoxy group, a hydroxy lower alkyl group or a hydroxy lower alkoxy group;

W represents sulfur atom or oxygen atom; and

the bond represented by the following formula:

represents a single or double bond;

provided that: when n represents 0, B is not 1-naphthyl; when n represents 0 and R² is 1-imidazole, B is not phenyl; and when n represents 0 and B is 4-methylpiperidin-1-yl, B is not bromophenyl, chlorophenyl, methoxyphenyl, or tolyl.

2. (twice amended) A condensed pyridine compound represented by the following formula, its pharmaceutically acceptable salt or hydrates thereof

wherein,

R¹ represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkoxy group;

R² represents 4-morpholinyl group, 1-imidazolyl group, a 1-lower alkylhomopiperazin-4-yl group or a group selected from the groups represented by the following formulae:

$$+N$$
 R^4
 $+N$
 R^5
 $-N$
 R^6

(wherein, T represents a nitrogen atom or a methine group;

R⁴ represents a hydrogen atom, a lower alkyl group, a hydroxy lower alkyl group, a halogenated lower alkyl group, a lower cycloalkyl group, an aryl group, an aralkyl group, 1-piperidyl group, an alkenyl group, a cyano lower alkyl group, a carbamoyl lower alkyl group, a lower acyl group, an aromatic acyl group, a lower alkoxy carbonyl group, an aryloxycarbonyl group or an aralkyloxycarbonyl group; and

R⁵ and R⁶ are the same as or different from each other and each represents a hydrogen atom, a lower alkyl group, a di lower alkylaminoalkyl group, an optionally substituted heteroaryl lower alkyl group);

n represents 0 or an integer of 1 to 6; and

B represents an optionally substituted aryl group, an optionally substituted heteroaryl group, an optionally substituted aralkyloxy group, an aryl(hydroxy)alkyl group, an aromatic acyl amino group, an arylsulfonylamino group, a lower alkoxyl arylsulfonylamino group, a hydroxy lower alkoxyl styryl group, a lower alkoxyl aryloxy group, 4-phenylpiperidin-1-yl group, 4-pyridylpiperidin-1-yl group, an optionally substituted arylalkenyl group, an optionally substituted heteroarylalkenyl group, an optionally substituted heteroarylalkynyl group, an aromatic acyl alkynyl group, an optionally N-substituted amino lower alkyl group, an optionally substituted arylamino group, an optionally substituted

aralkylamino group or a group selected from the groups represented by the following formulae:

(wherein p represents 0 or an integer of 1 to 6;

R¹³, R¹⁴, R¹⁶, R¹⁷, R¹⁸, R¹⁹, R²⁰, R²¹, R²², R²³, R²⁵, R²⁷ and R²⁹ independently represent a hydrogen atom, a halogen atom, hydroxyl group, a lower alkyl group, a lower alkoxy group, a hydroxy lower alkyl group, a hydroxy lower alkoxy group or tetrahydropyranyl group;

R²⁴ represents a hydrogen atom or a lower alkyl group;

R²⁶ represents a hydrogen atom or a hydroxy lower alkyl group;

R²⁸ represents a hydrogen atom or a lower alkyl group;

R³⁰ represents a hydrogen atom, a lower alkyl group, a lower alkoxy group, a hydroxy lower alkyl group or a hydroxy lower alkoxy group;

W represents sulfur atom or oxygen atom; and the bond represented by the following formula:

represents a single or double bond;

provided that: when n represents 0, B is not 1-naphthyl; when n represents 0 and R² is 1-imidazole, B is not phenyl; and when n represents 0 and B is 4-methylpiperidin-1-yl, B is not bromophenyl, chlorophenyl, methoxyphenyl, or tolyl.

4. (twice amended) The condensed pyridine compound as claimed in Claim 1, which is a compound represented by the following formula:

B2

$$R^{31}$$
 N
 N
 R^{32}
 N
 R^{32}

(wherein R³¹ has the same meaning as that of the above R¹, R³² has the same meaning as that of the above R² and R³³ has the same meanings as that of the above B, respectively), its pharmaceutically acceptable salt or hydrates thereof.

Add new claims 13-17:

- 13. The compound of claim 4, wherein R³¹ is hydrogen.
- B3
- 14. The compound of claim 4, wherein R³² is ethyl.
- 15. The compound of claim 4, wherein n is zero and B is optionally substituted phenyl or optionally substituted pyridyl.

16. The compound of claim 4, wherein R³¹ is hydrogen, R³² is ethyl, n is zero, and B is optionally substituted phenyl or optionally substituted pyridyl.

17. A condensed pyridine compound represented by the following formula, its pharmaceutically acceptable salt or hydrates thereof

$$R^3$$
 $(CH_2)_n$
 R^3
 R^3
 R^3

wherein,

R¹ represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkoxyl group;

R² represents a 4-morpholinyl group, a 1-imidazolyl group, a 1-lower alkyl homopiperazin-4-yl group or a group selected from the groups represented by the following formulae:

$$+N$$
 $T-R^4$
 $+N$
 R^5
 $-N$
 $=N$

(wherein, T represents a nitrogen atom or a methine group;

R³ represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkoxyl group;

R⁴ represents a hydrogen atom, a lower alkyl group, a hydroxy lower alkyl group, a halogenated lower alkyl group, a lower cycloalkyl group, an aryl group, an aralkyl group, 1-piperidyl group, an alkenyl group, a cyano lower alkyl group, a carbamoyl lower alkyl group, a lower acyl group, an aromatic acyl group, a lower alkoxyl carbonyl group, an aryloxycarbonyl group or an aralkyloxycarbonyl group;

R⁵ and R⁶ are the same as or different from each other and each represents a hydrogen atom, a lower alkyl group, a di lower alkyl aminoalkyl group, an optionally substituted heteroaryl lower alkyl group);

n represents 0 or an integer of 1 to 6; and

B represents a group selected from the groups represented by the following formula:

$$\begin{array}{c}
\begin{pmatrix}
R^{11} \\
Q \\
R^{9}
\end{pmatrix}$$

$$\begin{array}{c}
\begin{pmatrix}
CH_{2}\end{pmatrix}m \\
Q
\end{array}$$

$$\begin{array}{c}
R^{10} \\
Q
\end{array}$$

$$\begin{array}{c}
R^{11} \\
R^{12}
\end{array}$$

$$\begin{array}{c}
CH_{12} \\
R^{12}
\end{array}$$

(wherein z represents 0 or 1;

Appl. No.: 09/852,850

Q represents a nitrogen atom or a methine group;

R⁷, R⁸ and R⁹ are the same as or different from each other and each represents a hydrogen atom, a halogen atom, hydroxyl group, a lower alkyl group, a lower alkenyl group, a lower alkynyl group, a lower alkoxyl group, a lower thioalkoxyl group, a hydroxy lower thioalkoxyl group, an arylthio group, a heteroarylthio group, a heteroaryl(hydroxy)alkyl group, a halogenated lower alkyl group, a hydroxy lower alkyl group, a dihydroxy lower alkyl group, a halogenated (hydroxy) lower alkyl group, a hydroxyalkenyl group, a hydroxyalkynyl group, a hydroxy lower cycloalkenyl group, a lower alkoxy(hydroxy)alkyl group, a lower alkoxy(hydroxy)alkoxy group, a lower alkoxyalkyl group, a lower alkoxyalkoxy group, a lower thioalkoxyalkoxy group, a lower alkylsulfonylalkoxy group, a hydroxy lower alkoxy group, a dihydroxy lower alkoxy group, a hydroxy lower alkylalkoxy group, a hydroxyimino lower alkyl group, a lower cycloalkyl (hydroxy) alkyl group, an aralkyl group, a hydroxyaralkyl group, cyano group, a cyano lower alkyl group, amide group, an N-lower alkylamide group, an Nlower cycloalkylamide group, an N,N-di lower alkylamide group, an N-hydroxy lower alkylamide group, an N-hydroxy lower alkyl-N-lower alkylamide group, an N-arylamide group, cyclic aminocarbonyl group, carbamoyl group, an Nlower alkyl carbamoyl group, an N,N-di lower alkyl carbamoyl group, aminosulfonyl group, cyclic aminosulfonyl group, an N-lower alkylaminosulfonyl group, an N-lower cycloalkylaminosulfonyl group, an N,N-di lower alkylaminosulfonyl group, an N-hydroxy lower alkylaminosulfonyl group, an N-lower alkoxyalkylaminosulfonyl group, an N-halogenated lower alkylsulfonyl group, pyrrolidinylsulfonyl group, a lower alkylsulfonylaminoalkyl group, an N-lower alkylaminosulfonylalkyl group, an N,N-di lower alkylaminosulfonylalkyl group, a lower acyl group, a lower acylalkyl group, a lower cycloalkyl(hydroxy)methyl group, tetrahydropyranyl group,

___Appl. No.: 09/852,850

hydroxytetrahydropyranyl group, a hydroxy lower alkyltetrahydropyranyl group, a lower acylaminoalkyl group, (thiazol-2-yl)hydroxymethyl group, di(thiazol-2-yl)hydroxymethyl group, a lower alkylsulfonyl group, a lower alkoxyalkylsulfonyl group, a hydroxy lower alkylsulfonyl group, a lower alkylsulfonylalkyl group, an N-lower alkylamidealkyl group, an aryl group, an aralkyl group, a heteroaryl group, a heteroaryl lower alkyl group, a heteroaryl lower alkoxy group, a heteroarylsulfonyl group, 4-morpholinylsulfonyl group, 4oxythiomorpholinylsulfonyl group, 4-dioxythiomorpholinylsulfonyl group, 4morpholinylsulfonyl group, a hydroxy lower cycloalkyl group, a hydroxy lower cycloalkyloxy group, a hydroxycycloalkenyl group, a halogenated hydroxy lower alkyl group, 4-hydroxypiperidyl group, a 4-lower alkoxypiperidyl group, an ω,ωlower alkylenedioxyalkyl group, an ω,ω-lower alkylenedioxyalkoxy group, a lower cycloalkylhydroxymethyl group, an aryloxy group, an arylaminosulfonyl group, amino group, a lower alkylamino group, a di lower alkylamino group, a hydroxy lower alkylamino group, a lower acylamino group, a hydroxy lower acylamino group, a lower alkylsulfonylamino group, a pyridyl lower alkoxy group, a lower alkylpyridylalkoxy group, a lower alkoxyhydroxyalkoxy group, a lower thioalkoxyalkoxy group, a lower alkylsulfonylalkoxy group, an N-lower alkylcarbamoyl group, an N,N-di lower alkylcarbamoyl group, an N-hydroxy lower alkylcarbamoyl group, an N-hydroxy lower alkyl-N-lower alkylcarbamoyl group, a halogenated lower alkoxy group, a cyano lower alkoxy group, a hydroxy lower cycloalkoxy group, trifluoromethyl group, trifluoromethoxy group, an amino lower alkoxy group, an N-lower alkyl aminoalkoxy group, an N,N-di lower alkylaminoalkoxy group, a lower acylalkoxy group, a lower acylaminoalkoxy group, a (1,3-dioxolanyl) lower alkyl group, a (1,3-dioxolanyl) lower alkoxyl group, an amide lower alkoxyl group, a 4-(hydroxyalkyl)tetrahydropyran-4-yl group, 2,3-dihydrobenzofuranyl group, a 2-



hydroxy-2-alkyl-2,3-dihydrobenzofuranyl group, indanonyl group, hydroxyindanyl group, an imidazolyl lower alkoxyl group, succinimide group or 2-oxazolidon-3-yl group;

furthermore, R⁷ represents a hydrogen atom, while R⁸ and R⁹ form cyclopentanone ring, hydroxycyclopentane ring, a hydroxyalkylcyclopentane ring, cyclohexanone ring, hydroxycyclohexane ring, a hydroxyalkylcyclohexane ring, 2-hydroxymethyl-2-methylcyclopentanone ring, 1,2-ethylenedioxy ring or methylenedioxy ring;

m or p represents 0 or an integer of 1 to 6;

R¹⁰ and R¹² independently represent a hydrogen atom, a halogen atom, hydroxyl group, a lower alkyl group, a lower alkoxy group, a hydroxy lower alkyl group, a hydroxy lower alkoxy group or tetrahydropyranyl group;

R¹¹ represents a hydrogen atom, a halogen atom, hydroxy group, a lower alkyl group or a lower alkoxy group;

W represents sulfur atom or oxygen atom; and

the bond represented by the following formula:

~~~

represents trans or cis bond).

Attached hereto is a marked up version showing the changes made to claims by this Amendment.